

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

071894682

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

071894591

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

071894617

# SAFETY DATA SHEET (SDS)

In accordance with Hazard Communication Standard (HCS), 29CFR 1910.1200(g), 2012 revision

## SECTION I - PRODUCT / COMPANY IDENTIFICATION

Product Trade Name: Onyx, Etching Gel  
Synonyms: 40% Phosphoric Acid etching gel  
Part (Item) Number: 310053, 310054  
Application: Etching gel for dental restorations  
Manufacturer: Centrix Inc.  
Address: 770 River Road  
City, State, Zip: Shelton Ct, 06484  
Emergency Telephone Number: 203-929-5582  
Information Telephone Number: 800-235-5862

## SECTION II - HAZARD IDENTIFICATION

### Classification of the Substance or Mixture:

Acute toxicity, Oral (Category 4) Acute toxicity, Inhalation (Category 2)  
Acute toxicity, Dermal (Category 5) Skin corrosion (Category 1B)  
Serious eye damage (Category 1)

### Risk Phrases:

Symbol: C R34: Causes burns.

### Label Elements:



Trade Name: PHOSPHORIC ACID

Signal Word: Danger

### Hazard Statements:

H302: Harmful if swallowed.  
H313: May be harmful in contact with skin.  
H314: Causes severe skin burns and eye damage.  
H330: Fatal if inhaled.

### Precautionary Statements:

P260: Do not breathe dust / fume / gas / mist / vapors / spray.  
P280: Wear protective gloves / protective clothing / eye protection / face protection.  
P284: Wear respiratory protection.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses if present and easy to do – continue rinsing.  
P310: Immediately call a POISON CENTER or doctor / physician

## SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Components: Phosphoric Acid Concentration: 40%  
CAS No.: 7664-38-2 EC Number: 231-633-2  
Index Number: 015-011-00-6 Molecular Weight: 98 g/mol

## SECTION IV - FIRST AID MEASURES

Skin: Immediately wash skin with plenty of water.  
If irritation occurs seek medical advice.  
Ingestion: If swallowed do not induce vomiting. Give large quantities of water and milk.  
Seek medical attention.  
Eyes: Flush with plenty of water.  
Seek immediate medical attention by an Ophthalmologist.

## SECTION V - FIRE-FIGHTING MEASURES

The product is not considered to be a fire hazard. The information below is given for extinguishing a fire generated by other sources.  
Suitable Extinguishing Media: Water, Chemical Foam, Carbon Dioxide, or Dry Chemical  
Forbidden Extinguishing Media: None.  
Special Exposure Hazards: Toxic fumes of Phosphoric Acid.  
Unusual fire and explosion hazards: Contact with some metals may cause formation of hydrogen gas.  
Special Protection Equipment: Self Contained Breathing Apparatus if toxic fumes are generated.

## SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: See sections VII and VIII.  
Environmental Precautions: None.  
Methods for Cleaning up: Clean up using impervious gloves and dispose of in an approved manner.

## SECTION VII - HANDLING AND STORAGE

Handling: Avoid unnecessary exposure.  
Storage: Room temperature.  
Containers: Supplied by manufacturer.  
Incompatibility: Strong caustics, strong caustics, sulfites, sulfides and metals.  
Other Precautions: Use according to directions.  
Avoid contact with eyes, skin and soft tissue.

## SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

General Measures Ventilation: N/A Limits: TWA: 1 mg/m3; TLV: 3 mg/m3.  
Respiratory Protection: N/A Eye Protection: Safety Glasses or Goggles.  
Skin Protection: Respect good personal hygiene practice.  
Avoid unnecessary exposure. Hands Protection: Impervious gloves  
Other Equipment: Lab Coat.

## SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Gel Explosion Limits N/A  
Odor: None Water solubility: Soluble.  
pH 10% solution: below 2 Specific Gravity: 1.3 g/cm3  
Boiling Point: 100°C Evaporation Rate: N/A  
Flash Point: N/A

## SECTION X - STABILITY AND REACTIVITY.

Stability: Stable. Conditions to avoid: Temperatures over 40°C  
Materials to avoid: Strong Caustics, Sulfites, Sulfides, Metals.  
Hazardous Decomposition Products: Toxic fumes if temperature is above 100°C.  
Hazardous Polymerization Products: None

## SECTION XI - TOXICOLOGICAL INFORMATION.

Ingestion: May cause sore throat, abdominal pain, nausea and severe burns of mouth, throat and stomach.  
Eye contact: May cause redness, pain, blurred vision, eye burns or permanent eye damage.  
Skin Contact: May cause redness, pain and severe skin burns.  
Inhalation: Inhalation is not a hazard unless the product is heated at high temperatures. In these conditions may cause irritation of the respiratory system, asphyxia or permanent damage to the lungs.  
Prolonged Exposure: Burns to eye, soft tissue or respiratory tract.

## SECTION XII - ECOLOGICAL INFORMATION.

There is no specific information on the product. Use according to good working practice. Avoid releasing the product into environment.

## SECTION XIII - DISPOSAL CONSIDERATIONS.

Dispose in accordance with local authorities.

## SECTION XIV - TRANSPORT INFORMATION.

Substances determining Hazard: Phosphoric Acid.  
SEA TRANSPORTATION: IMCO # 8204 UN # 1805  
AIR TRANSPORTATION: ICAO/IATA CLASS: 8  
GROUND TRANSPORTATION: RID/ADR CLASS: 9  
SUBSTANCE IDENTIFICATION: # 1805 ITEM # 11C  
HAZARD LABEL: 9  
HAZARD IDENTIFICATION: 80

## SECTION XV - REGULATORY INFORMATION

Hazard Classification Symbol: C R34 Causes burns  
S24/S25 Avoid contact with skin and eyes  
S26/S28 In case of contact with eyes or skin, rinse immediately with plenty of water and seek medical advice.

## SECTION XVI - OTHER INFORMATION

Product handling exclusively by dental specialists per instructions for use.

**CAUTION:** The above information is based on presently available data and to our best knowledge for handling the product under normal conditions. Any use of this product in any way not indicated on this document or using it together with any other process/procedure will be exclusively under the user's responsibility.



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